

Revised Cross-walk Matrix Linking Workgroup Proposals & Recommendations to the SRDC Consolidated Proposals

Revised for May 31, 2005. Strike-outs of SRDC Proposal numbers indicate changes from the May 17th Proposal Document.

School Facility Health & Safety Principles

- ▶ **Site School Facilities Wisely**
 - ▷ Environmental Site Assessments
- ▶ **Design Schools Appropriately**
 - ▷ School Facility Design Standards / Addressing Health & Safety Matters Early in the Design Phase
 - ▷ Standards-of-Practice for Design of Mechanical Systems / HVAC
 - ▷ Design of Spaces With Unique Needs / Laboratories, Career & Technical Areas, Health Center Areas
 - ▷ Lead Content in Piping & Plumbing Fixtures
 - ▷ Integrated Pest Management
 - ▷ Design Review & Approval
 - ▷ Selection of Ancillary Equipment / Playgrounds & Athletic Fields
- ▶ **Construct Schools as Designed**
 - ▷ Assist & Assure Proper Construction / Constructability Review & Commissioning
- ▶ **Operate & Maintain Schools Effectively**
 - ▷ Monitor Mechanical Systems & Structures
 - ▷ Maintenance Plans & Schedules for Routine Items
 - ▷ Integrated Pest Management
 - ▷ Planning & Preparing to Respond to Events
 - ▷ Playgrounds
 - ▷ Communicating with the Community
 - ▷ Drinking Water Quality
 - ▲ Lead
 - ▲ Copper
 - ▲ Cadmium
 - ▲ Bacteriological Contamination
 - ▲ Legionella
 - ▲ Iron, Manganese, Color, Zinc, Turbidity, and Total Dissolved Solids
 - ▲ Epoxy Pipe Liners
- ▶ **Oversee & Assure School Facility Health & Safety Principles are Applied**
 - ▷ Trained, Certified & Skilled Workforce
 - ▷ Safety Hazards and Exposures in Special Use, Storage & Athletics Areas
 - ▷ Frequency of Rule Development & Updating of Standards
 - ▷ Technical Assistance Guidance / Develop, Update & Distribute Documents & Materials
 - ▷ Support & Facilitate the Successful Interaction of Various Entities & Institutions
 - ▲ School Districts, Educational Service Districts, OSPI, LHJs, Construction Field Plan Reviewers & Inspectors, Architects, Designers & Builders

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SRDC Proposal #	School Facility Health & Safety Principle	WG Proposal #	Topic	Workgroup Recommendations	Rule				Guidance			
					Voting	GRN	YEL	RED	Voting	GRN	YEL	RED
15	Operate & Maintain Schools Effectively	DW01	Lead sampling size and action level	Recommend for sampling at the point of use in schools, use existing EPA guidance for schools of 20 ppb Lead and 250 ml sample size (existing EPA guidance for schools).	10	8	0	2	10	1	8	1
15	Operate & Maintain Schools Effectively	DW02	Lead sampling location	Recommend testing all drinking water sites and fountains. Prioritize other sampling sites based on potential use and risk.	10	7	0	3	10	3	5	2
15, 25	Operate & Maintain Schools Effectively, Oversee & Assure School Facility Health & Safety Principles Are Applied	DW03	Lead sampling frequency	Recommend sampling a school on a 3-5 year sampling cycle. Initial testing priority established with guidance developed by DOH.	10	5	1	3	10	5	4	1
15	Operate & Maintain Schools Effectively	DW04	Lead reporting/notification of results	Recommend use existing communication methods (e.g., send information home with student, post information on the school/administration website, make available at school/administrative building, include in school newsletter or first day packet, etc.) At least an annual notice and maintenance of a notebook or other collection of sampling results in each school.	7	7	0	0	—	—	—	—
15	Operate & Maintain Schools Effectively	DW05	Lead follow-up requirements	Recommend allow for local decisions to determine remediation actions (e.g., remove fixture, flushing, post signs, install automatic flushers, install reverse osmosis coolers, etc.).	8	5	0	3	8	1	6	1
15 , 25	Operate & Maintain Schools Effectively, Oversee & Assure School Health & Safety Principles Are Applied	DW06	Lead follow-up requirements	Recommend that DOH develop guidance for remediation actions, methodologies and follow-up strategies.	8	8	0	0	—	—	—	—
16, 25	Operate & Maintain Schools Effectively	DW07	Copper sampling size and action level	Recommend for sampling at the point of use in schools, action threshold level for copper at 1.3 mg/L and direct the department to develop guidance for sample size.	9	9	0	0	—	—	—	—
16	Operate & Maintain Schools Effectively	DW08	Copper sampling location	Recommend test all drinking water sites and fountains. Prioritize other sampling sites based on potential use and risk.	9	9	0	0	—	—	—	—

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16, 25	Operate & Maintain Schools Effectively, Oversee & Assure School Health & Safety Principles Are Applied	DW09	Copper sampling frequency	Recommend initial testing to coincide with lead sampling. Follow-up testing is based on a sampling cycle supported by a plumbing system profile and test results. Follow-up testing established with guidance developed by DOH.	9	9	0	0	—	—	—	—
16	Operate & Maintain Schools Effectively	DW10	Copper reporting / notification of results	Recommend using existing communication methods (e.g., send information home with student, post information on the school/administration website, make available at school/administrative building, include in school newsletter or first day packet, etc.) At least an annual notice and maintenance of a notebook or other collection of sampling results in each school.	9	9	0	0	—	—	—	—
16	Operate & Maintain Schools Effectively	DW11	Copper follow-up requirements	Recommend allowing for local decisions to determine remediation actions (e.g., pipe removal, flushing, post signs, install automatic flushers, install reverse osmosis coolers, etc.).	9	7	1	1	—	—	—	—
46 , 25	Operate & Maintain Schools Effectively, Oversee & Assure School Health & Safety Principles Are Applied	DW12	Copper follow-up requirements	Recommend that DOH develop guidance for remediation actions, methodologies and follow-up strategies.	9	9	0	0	—	—	—	—
17, 25	Operate & Maintain Schools Effectively, Oversee & Assure School Health & Safety Principles Are Applied	DW13	Cadmium sampling size and standard	Recommend for sampling at the point of use in schools, use 0.005 mg/L standard and direct the department to develop guidance for sample size. Need for cadmium sampling relates to the plumbing profile of the individual building.	9	9	0	0	—	—	—	—
17	Operate & Maintain Schools Effectively	DW14	Cadmium sampling location	Recommend testing all drinking water sites and fountains. Prioritize other sampling sites based on potential use and risk. If galvanized material not present, sampling not required.	9	9	0	0	—	—	—	—
17, 25	Operate & Maintain Schools Effectively, Oversee & Assure School Health & Safety Principles Are Applied	DW15	Cadmium sampling frequency	Recommend initial testing to coincide with lead and copper sampling. Follow-up testing is based on a sampling cycle supported by a plumbing system profile and test results. Follow-up testing established with guidance developed by DOH.	9	9	0	0	—	—	—	—

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17	Operate & Maintain Schools Effectively	DW16	Cadmium reporting / notification of results	Recommend using existing communication methods (e.g., send information home with student, post information on the school/administrative building, include in school newsletter or first day packet, etc.). At least an annual notice and maintenance of a notebook or other collection of sampling results in each school.	9	9	0	0	—	—	—	—
17	Operate & Maintain Schools Effectively	DW17	Cadmium follow-up requirements	Recommend allowing for local decisions to determine remediation actions (e.g., pipe removal, flushing, post signs, install automatic flushers, install reverse osmosis coolers, etc.).	9	9	0	0	—	—	—	—
47, 25	Operate & Maintain Schools Effectively, Oversee & Assure School Health & Safety Principles Are Applied	DW18	Cadmium follow-up requirements	Recommend that DOH develop guidance for remediation actions, methodologies and follow-up strategies.	9	9	0	0	—	—	—	—
18, 25	Operate & Maintain Schools Effectively, Oversee & Assure School Health & Safety Principles Are Applied	DW19	Total coliform sampling	Recommend routine sampling not required. Conduct a building survey to determine if cross connections present rather than require routine sampling. If cross connections are present they need to be eliminated or otherwise addressed to cross-control standards. Conduct follow-up sampling as guided by DOH.	9	9	0	0	—	—	—	—
18, 25	Operate & Maintain Schools Effectively, Oversee & Assure School Health & Safety Principles Are Applied	DW20	Total coliform sampling	Recommend where complaints are made about water quality conduct evaluation, testing, and remediation, as guided by DOH and local health jurisdictions.	9	9	0	0	—	—	—	—
18	Operate & Maintain Schools Effectively	DW21	Total coliform reporting / notification of results	Recommend in addition to requirements for total coliform imposed by state or local rules, use existing communication methods (e.g., send information home with student, post information on the school/administration website, make available at school/administrative building, include in school newsletter or first day packet, etc.).	9	9	0	0	—	—	—	—
18	Operate & Maintain Schools Effectively	DW22	Total coliform follow-up requirements	Recommend remediate total coliform issues as directed by state and / or local health authorities.	9	9	0	0	—	—	—	—
19	Operate & Maintain Schools Effectively	DW23	Legionella sampling	Recommend routine sampling not required. Recommend sampling if disease outbreak occurs.	6	4	2	0	6	5	1	0

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19	Operate & Maintain Schools Effectively	DW24	Legionella sampling	Recommend if water is turbid or high in iron, sampling should occur.	6	5	1	0	6	2	3	1
19	Operate & Maintain Schools Effectively	DW25	Legionella reporting / notification of results	Recommend using existing communication methods (e.g., send information home with student, post information on the school/administration website, make available at school/administrative building, include in school newsletter or first day packet, etc.).	7	6	1	0	7	1	5	1
19	Operate & Maintain Schools Effectively	DW26	Legionella follow-up requirements	Recommend allowing for local decisions to determine remediation actions (e.g., remove fixture from service, treat distribution systems with superchlorinated water or high temperature and then flush, post signs, etc.)	7	6	1	0	7	3	4	0
20	Operate & Maintain Schools Effectively	DW27	Iron, manganese, color, zinc, turbidity, and total dissolved solids sampling	Recommend routine sampling not required. Instead a school should sample for iron, manganese, color, total dissolved solids, zinc, and turbidity if complaints are received.	7	1	4	2	7	4	3	0
25	Oversee & Assure School Health & Safety Principles Are Applied	DW28	Iron, manganese, color, zinc, turbidity, and total dissolved solids sampling	Recommend that DOH develop guidance to assist schools in developing protocols to sample for iron, manganese, color, total dissolved solids, zinc and turbidity, including the options for 3 rd party testing.	7	6	1	0	7	1	5	1
20	Operate & Maintain Schools Effectively	DW29	Iron, manganese, color, zinc, turbidity, and total dissolved solids sampling	Recommend routine sampling not required. Instead a school should sample for iron, manganese, color, total dissolved solids, zinc, and turbidity, as appropriate if complaints are received.	7	5	1	1	7	1	5	1
20	Operate & Maintain Schools Effectively	DW30	Iron, manganese, zinc, turbidity, color, and total dissolved solids reporting / notification of results	Recommend using existing communication methods (e.g., send information home with student, post information on the school/administration website, make available at school/administrative building, include in school newsletter or first day packet, etc.).	7	6	1	0	7	2	5	0
20	Operate & Maintain Schools Effectively	DW31	Iron, manganese, color, zinc & turbidity and total dissolved solids follow-up requirements	Recommend allow for local decisions to determine remediation actions (e.g., remove piping, flushing, post signs, etc.)	7	6	1	0	7	1	5	1
20	Operate & Maintain Schools Effectively	DW32	Iron, manganese, color, zinc & turbidity and total dissolved solids follow-up requirements	Recommend that follow-up action shall be commensurate with the degree of consumer acceptance of the water quality and their willingness to bear the costs of meeting the secondary standard.	7	6	0	1	7	2	4	1

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21	Operate & Maintain Schools Effectively	DW35	Guidelines and standards for epoxy pipe liners	Recommend if epoxy lining is used, it must meet NSF/ANSI Standard 61 certification specifications for the diameter being lined. Following the use of epoxy linings, periodic sampling for coliform, organic chemicals, and leachates must occur. Water quality following the use of epoxy liners must be consistent with EPA standards for organic chemicals.	7	6	0	1	7	3	2	2
24, 25	Operate & Maintain Schools Effectively, Oversee & Assure School Health & Safety Principles Are Applied	DW36	Guidelines and standards for epoxy pipe liners	Recommend that DOH develop guidance to assist schools in the use of, and follow-up to using, epoxy linings.	6	6	0	0	6	0	5	1
5	Design Schools Appropriately	DW37	Zero lead materials in new or remediation projects	Recommend DOH request State Building Code Council to change state building code to require “no lead” fixtures, fittings and piping for all new, remodeled and remediated school buildings. (DOH staff will research this topic further for identifying what “no lead” means.)	7	7	0	0	—	—	—	—
5	Design Schools Appropriately	DW38	Zero lead materials in new or remediation projects	Recommend that galvanized pipe used for drinking water meet appropriate ASTM standards. (DOH staff will research for the ASTM standards.)	7	7	0	0	—	—	—	—
8	Construct Schools as Designed	DW39	Certification mechanisms for ensuring compliance with standards	Recommend that building plan and constructability review address requirements for “lead free” materials to ensure that “lead free” materials will be used.	7	7	0	0	—	—	—	—
8	Construct Schools as Designed	DW40	Certification mechanisms for ensuring compliance with standards	Recommend that construction inspection and commissioning assess that “lead free” materials were used.	7	5	0	2	7	1	5	1
3A 9	Design Schools Appropriately, Operate & Maintain Schools Effectively	IAQ01	Ventilation	Recommend that the standards for ventilation system design, construction, installation and performance in school facilities be consistent with those established in Chapter 51-13 WAC.	23	20	1	2	23	6	9	8
9	Operate & Maintain Schools Effectively	IAQ02	Ventilation	Recommend the use of CO ₂ measurement in occupied spaces as a means of assessing ventilation system performance, as part of an on-going facility operation & maintenance program by trained and qualified personnel.	23	10	4	9	23	14	2	7

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4 9	Design Schools Appropriately, Operate & Maintain Schools Effectively	IAQ03	Ventilation	Recommend that the standards for ventilation system design, construction, installation and performance in school facilities address the unique needs presented by special use areas, such as health rooms, and career & technical instructional areas.	23	18	5	0	23	8	6	9
25	Oversee & Assure School Health & Safety Principles Are Applied	IAQ04	Ventilation	Recommend that DOH update guidance regarding ventilation systems to include references to the current ASHRAE 62.1.	23	21	2	0	—	—	—	—
9	Operate & Maintain Schools Effectively	IAQ05	Ventilation	Recommend the use of CO ₂ measurement in occupied spaces as a means of assessing ventilation system performance, as part of an on-going facility operation & maintenance program by trained and qualified personnel. CO ₂ levels greater than 700 ppm over ambient level is a threshold level for further evaluation of ventilation system performance.	23	11	10	2	23	11	3	9
3A 42	Design Schools Appropriately, Operate & Maintain Schools Effectively	IAQ06	Ventilation	Recommend that the interior surfaces of air handling ducts be smooth, non-friable and cleanable when renovating ducts in existing school facilities and in new construction and remodeling.	20	18	2	0	20	5	9	6
1A	Site School Facilities Wisely	IAQ07	Siting	Recommend that sites proposed for development of school facilities be subjected to a Phase I Environmental Site Assessment at the appropriate time in the school development timeline, as the first step to identifying and addressing the impact of site characteristics on school facility development and operation.	21	21	0	0	—	—	—	—
25	Oversee & Assure School Health & Safety Principles Are Applied	IAQ08	Siting	Recommend that the DOH develop guidance or update the K-12 Health & Safety Guide to address Environmental Site Assessments (ESA), including the elements of an ESA and criteria for determining the appropriate time in the school development timeline to conduct an ESA.	21	21	0	0	—	—	—	—
2A	Design Schools Appropriately	IAQ09	Design	Recommend that school facilities are designed according to regionally-appropriate design standards, such as those delineated in the Washington Sustainable Schools Protocol.	21	17	4	0	21	5	10	6
8	Construct Schools as Designed	IAQ10	Construction	Recommend that all school facility construction projects requiring a building permit from the local building official undergo a constructability review.	21	13	7	1	21	10	6	5

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3A &	Design Schools Appropriately, Construct Schools as Designed	IAQ11	Construction	Recommend that the potential for entrainment of ambient pollutants and re-entrainment of emitted pollutants and moisture into the air handling systems be specifically addressed during design development and plan review phases.	22	7	3	12	22	17	5	0
8	Construct Schools as Designed	IAQ12	Construction	Recommend that constructability review information be provided to LHJs.	22	18	4	0	22	5	16	1
8	Construct Schools as Designed	IAQ13	Construction	Recommend that all new and remodeled school facilities undergo commissioning.	22	22	0	0	—	—	—	—
8, 9	Design Schools Appropriately, Operate & Maintain Schools Effectively	IAQ14	Construction	Recommend that existing school facilities undergo HVAC re-commissioning of suitable scope in response to persistent and significant HVAC-related IAQ events or monitoring results, such as sustained CO ₂ levels exceeding 700 ppm over ambient levels.	22	15	6	1	22	7	5	9
8	Construct Schools as Designed	IAQ15	Construction	Recommend that OSPI recognized construction management concepts be applied to new and remodeled school construction projects which require a building permit.	22	15	3	4	22	11	2	9
8	Construct Schools as Designed	IAQ16	Construction	For school construction projects requiring a construction permit, recommend that the local building code official and the local health official share with each other the results of their review of plans and specifications, to assure that building codes and health protections are addressed in a cohesive and comprehensive manner.	21	9	3	9	21	3	12	6
2B	Design Schools Appropriately	IAQ17	Construction	Recommend that LHJs interact with the project design team early in the design development phase to address potential health & safety issues.	22	16	5	1	22	6	11	5

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10, 12	Operate & Maintain Schools Effectively	IAQ18	Mold	<p>Recommend that mold prevention and response plans be established and implemented to address the potential for mold growth and the remediation of mold when it occurs. Key elements of such plans include:</p> <ol style="list-style-type: none"> 1. Identification and resolution of moisture accumulation and water intrusion within the structure and building materials of the school facility 2. Monitoring and maintaining ventilation systems 3. Immediate and appropriate response to mold that is identified, following remediation guidelines from sources including EPA and NYC 4. Notification of students, parents, teachers & staff, and visitors regarding mold remediation 5. Accommodations available to limit the exposure of sensitive and concerned individuals to mold until mold remediation is completed, such as those accommodations described by DOH guidance to limit exposure 	22	12	5	5	22	8	6	8
12	Operate & Maintain Schools Effectively	IAQ19	Mold	<p>Recommend that mold remediation methodologies follow national guidance such as that provided by EPA and NYC, including abatement by trained and qualified staff or firms.</p>	22	21	1	0	22	5	5	12

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14A	Operate & Maintain Schools Effectively	IAQ20	Mold	Recommend that IAQ & mold communication plans be established and implemented to assure that all who may need to know are informed about possible environmental exposures leading to health risks. Key elements of such plans includes: 1. Communication response levels commensurate with the IAQ event 2. Rapid communication with the school and notification to the public 3. Site posting 4. Specific communication with parents of students sensitive to IAQ exposures, asthmatic, or immune-compromised 5. Accommodations available to limit the exposure of sensitive and concerned individuals to mold until mold remediation is completed, such as those accommodations described by DOH guidance to limit exposure	22	13	8	1	22	8	5	9
25	Oversee & Assure School Health & Safety Principles Are Applied	IAQ21	Mold	Recommend that DOH provide guidance on approaches to monitor for water intrusion and moisture problems within their schools including the use of moisture meters to assess the moisture content of building materials used in the school facility. Guidance to include suitable options in response to identified water intrusion and moisture accumulation.	22	16	2	4	—	—	—	—
25	Oversee & Assure School Health & Safety Principles Are Applied	IAQ22	Mold	Recommend that DOH provide guidance and suitable response strategies reflective of the full range of water intrusion and moisture accumulation events that may occur in the school facility environment. Include strategies to identify, correct, and mediate problems resulting from water intrusion and moisture accumulation when visual confirmation of suspected problems is not achieved.	22	16	1	5	—	—	—	—

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9,12	Operate & Maintain Schools Effectively	IAQ23	Mold	<p>Recommend that the following principles be delineated:</p> <ul style="list-style-type: none"> To prevent and limit mold growth, timely and appropriate response to water intrusion and moisture accumulation within the school facility requires diligent surveillance and immediate correction (24 to 48 hours). Mold remediation without eliminating the cause—the water intrusion or moisture accumulation—is ineffective in controlling exposure to mold. Eliminating the cause of water intrusion or moisture accumulation without remediating resulting mold is an incomplete response. Moist and dry forms of mold can present potential indoor air quality and personal health hazards. 	22	14	7	1	22	6	6	10
12, 25	Operate & Maintain Schools Effectively, Oversee & Assure School Health & Safety Principles Are Applied	IAQ24	Mold	Recommend that schools be required to accommodate sensitive and concerned individuals to limit their exposure to mold until mold remediation is completed, through the selection of appropriate accommodation options, such as those described in DOH guidance.	22	12	8	2	22	8	5	9
8	Construct Schools as Designed	IAQ25	Occupancy Prior to Completion of Construction	Recommend that as a condition of granting a Temporary Occupancy Permit for new or remodeled school facilities by local building officials, that a written plan be reviewed and approved by the LHJ addressing the conditions of such temporary occupancy and the time frames for meeting or correcting the identified conditions.	20	5	5	10	2	6	11	3
25	Oversee & Assure School Health & Safety Principles Are Applied	IAQ26	Building Maintenance	Recommend that DOH provide guidance on the frequency of various cleaning activities.	20	15	3	2	—	—	—	—
25	Oversee & Assure School Health & Safety Principles Are Applied	IAQ27	Building Maintenance	Recommend that DOH provide guidance on “green cleaning” materials and methods.	20	20	0	0	—	—	—	—
25	Oversee & Assure School Health & Safety Principles Are Applied	IAQ28	Building Maintenance	Recommend that DOH provide guidance for ventilation system maintenance and service, based on guidance available from, EPA, ASHRAE, and other sources.	20	20	0	0	—	—	—	—

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3A 9	Design Schools Appropriately, Operate & Maintain Schools Effectively	IAQ29	Temperature / Heating & Cooling	Recommend that the <i>minimum</i> temperature currently established in the SBOH rule be retained in the rule.	20	20	0	0	—	—	—	—
3B 9	Design Schools Appropriately, Operate & Maintain Schools Effectively	IAQ30	Temperature / Heating & Cooling	Recommend that a <i>maximum</i> temperature (linked to humidity levels) be established.	19	17	1	1	19	6	3	10
25	Oversee & Assure School Health & Safety Principles Are Applied	IAQ31	Humidity	Recommend that DOH develop guidance documents to assist schools with humidity conditions that may contribute to health problems.	19	19	0	0	—	—	—	—
24	Oversee & Assure School Health & Safety Principles Are Applied	IAQ32	Frequency of rule development and updating of standards	Recommend that within 5 years of the effective date of the new / revised school environmental health and safety rules, the DOH conduct a review of the status and effectiveness of rule implementation. The department is to submit the results of their review to the State Board of Health, including any recommendations for subsequent rule revision.	19	19	0	0	—	—	—	—
7 43	Design Schools Appropriately, Operate & Maintain Schools Effectively	SAF01	Playgrounds	Recommend the development of a new section in WAC to address playgrounds & playground equipment. Specifically address requirements for existing facilities and the development of new facilities. Include the use of new and used equipment. Relate to the plan review portions of the WAC to assure that review & approval occurs in the planning process as appropriate.	20	13	2	5	20	5	5	10
7 43	Design Schools Appropriately, Operate & Maintain Schools Effectively	SAF02	Playgrounds	Recommend prohibiting the installation of used or homemade playground equipment that has not been reviewed and approved by the LHJ or a CPSI, as consistent with the “standard of practice” for playground equipment.	20	11	5	5	20	4	8	8

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7 43	Design Schools Appropriately, Operate & Maintain Schools Effectively	SAF03	Playgrounds	Recommend that playground equipment & surfacing must be constructed to the ASTM standards and installed consistent with the manufacturer's instructions and the CPSC guidelines. <ul style="list-style-type: none"> • ASTM F 1487-01: Standard Consumer Safety Performance Specification for Playground Equipment for Public Use • ASTM F 1292: Method to Test Impact Attenuation of Safety Surfacing for Playgrounds • Consumer Product Safety Commission <i>Handbook for Public Playground Safety</i>, 1997 	20	14	1	5	20	4	11	5
22A	Oversee & Assure School Health & Safety Principles Are Applied	SAF04	Playgrounds	Recommend that DOH address training, qualifications and certification of school health and safety inspectors.	20	10	5	5	20	5	9	6
22A	Oversee & Assure School Health & Safety Principles Are Applied	SAF05	Playgrounds	Recommend that compliance inspections of playgrounds be by Certified Playground Safety Inspectors.	20	7	4	9	20	3	12	5
1A	Site School Facilities Wisely	SAF06	Contaminated Soils at Schools	Recommend that the WAC require schools to conduct a Phase 1 Environmental Assessment and to evaluate the potential for soil contamination at proposed school sites, especially in areas to be used for playgrounds and sports / play fields. A soil sampling protocol should be based on this evaluation in accordance with accepted public health scientific protocols. Recommend that schools be required to integrate soil remediation into school design and construction planning.	20	16	3	1	20	3	13	4
1B 43	Site School Facilities Wisely, Operate & Maintain Schools Effectively	SAF07	Contaminated Soils at Schools	Recommend that soils in play areas of existing schools be evaluated if past practices are identified that could have led to soil contamination.	20	6	5	9	20	6	5	9
23	Oversee & Assure School Health & Safety Principles Are Applied	SAF08	Science Labs	Recommend maintaining WAC 246-366-140, Safety. (Voting on this item under Career & Technical was also applied by the group to science labs.)	21	20	1	0	—	—	—	—
22B	Oversee & Assure School Health & Safety Principles Are Applied	SAF09	Science Labs	Recommend that teachers be required to have safety training appropriate to the classes they teach, updated at appropriate intervals. Apply to science lab, too. (Voting on this item under Career & Technical was also applied by the group to science labs.)	21	15	2	3	21	6	9	4

Revised Cross-walk Matrix Linking Workgroup Proposals & Recommendations to the SRDC Consolidated Proposals

SRDC Proposal #	School Facility Health & Safety Principle	WG Proposal #	Topic	Workgroup Recommendations	Rule				Guidance			
					Voting	GRN	YEL	RED	Voting	GRN	YEL	RED
23	Oversee & Assure School Health & Safety Principles Are Applied	SAF10	Science Labs	Recommend that schools address safety & health risks to students, establish protective processes, procedures, engineered controls, and provide hazard training and personal protective equipment for students appropriate to the classroom activities and hazards. Prior to students engaging in classes they are to sign a written contract agreeing to follow safety rules.	20	9	3	8	20	4	12	4
25	Oversee & Assure School Health & Safety Principles Are Applied	SAF11	Science Labs	Recommend that DOH, in conjunction with OSPI and others, develop guidance for design and occupancy loading of laboratory classrooms and lab-support facilities.	20	15	5	0	—	—	—	—
23	Oversee & Assure School Health & Safety Principles Are Applied	SAF12	Career & Technical Education	Recommend maintaining WAC 246-366-140, Safety. / Apply to science labs, too.	21	20	1	0	—	—	—	—
22B	Oversee & Assure School Health & Safety Principles Are Applied	SAF13	Career & Technical Education	Recommend that teachers be required to have safety training appropriate to the classes they teach, updated at appropriate intervals. Apply to science lab, too.	20	15	2	3	19	6	9	4
23	Oversee & Assure School Health & Safety Principles Are Applied	SAF14	Career & Technical Education	Recommend that schools address safety & health risks to students, establish protective processes, procedures, engineered controls, and provide hazard training and personal protective equipment for students appropriate to the classroom activities and hazards.	20	12	2	6	20	4	12	4
4 23	Design Schools Appropriately, Oversee & Assure School Health & Safety Principles Are Applied	SAF15	Chemical Storage	Recommend changing the language in WAC 246-366-050(6) to say “hazardous chemicals” instead of “poisonous compounds.” Chemicals are to be properly labeled, used only when necessary, and stored in appropriate rooms or cabinets with appropriate ventilation to prevent unauthorized use, food contamination, or a fire or exposure hazard.	17	16	1	0	17	4	11	2
22B	Oversee & Assure School Health & Safety Principles Are Applied	SAF16	Chemical Storage	Recommend that staff be trained in the use, storage, disposal, and spill clean-up of hazardous chemicals stored or used in their work area.	19	14	3	2	19	5	10	4
10	Oversee & Assure School Health & Safety Principles Are Applied	SAF17	Chemical Storage	Recommend that staff and volunteers use only cleaning products or other chemicals approved for use by the school district. Donated chemicals or cleaning products must be reviewed and approved by the district.	19	11	6	2	19	4	9	6

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SRDC Proposal #	School Facility Health & Safety Principle	WG Proposal #	Topic	Workgroup Recommendations	Rule				Guidance			
					Voting	GRN	YEL	RED	Voting	GRN	YEL	RED
4 23	Design Schools Appropriately, Oversee & Assure School Health & Safety Principles Are Applied	SAF18	Chemical Storage, Use, Disposal, & Spill Clean-up	Recommend changing the language in WAC 246-366-050 (6) to say “hazardous chemicals” instead of “poisonous compounds.” Chemicals are to be properly labeled, used only when necessary, and stored in appropriate rooms or cabinets with appropriate ventilation to prevent unauthorized use, food contamination, exposure, or fire hazard.	17	16	1	0	17	4	11	2
10	Operate & Maintain Schools Effectively	SAF19	Chemical Storage, Use, Disposal, & Spill Clean-up	The least hazardous, or non-hazardous, chemicals shall be used as necessary to effectively accomplish the job while lowering the risk associated with chemical use.	17	4	3	10	17	10	6	1
7	Design Schools Appropriately	SAF20	CCA (Chromated Copper Arsenate) Treated Wood used in Playground Structures	Recommend that CCA or creosote treated wood shall not be used in new playground equipment installations, or the repair or modification of existing playground and landscape structures exposed to children. Current EPA recommendations for treated wood products for playsets should be followed. EPA / CPSC recommendations for applying penetrating coatings such as oil-based semi-transparent stains (frequency varies depending on the climate) should be encouraged. Plans for replacement or remediation of contamination from CCA treated lumber & playground equipment shall be developed.	17	10	4	3	17	2	11	4
13	Operate & Maintain Schools Effectively	SAF21	CCA (Chromated Copper Arsenate) Treated Wood used in Playground Structures	Recommend that schools mitigate and remediate known playground soil contamination.	15	11	3	1	15	6	7	2
14B	Oversee & Assure School Health & Safety Principles Are Applied	SAF22	CCA (Chromated Copper Arsenate) Treated Wood used in Playground Structures	Recommend that schools shall notify parents and staff of practices that may have led to playground soil contamination when schools are informed of such potential contamination by LHJs or the Department of Ecology.	16	3	3	10	16	5	11	0
14B	Oversee & Assure School Health & Safety Principles Are Applied	SAF23	CCA (Chromated Copper Arsenate) Treated Wood used in Playground Structures	Recommend that schools shall notify parents and staff of area-wide contamination that may have led to playground soil contamination when schools are informed of such potential contamination by LHJs or the Department of Ecology.	16	4	5	7	16	8	8	0

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					Voting	GRN	YEL	RED	Voting	GRN	YEL	RED
23	Oversee & Assure School Health & Safety Principles Are Applied	SAF24	Safety concerns with Athletics	Recommend that WAC 246-366-140, Safety, be modified, to include sports, athletics, and PE in the list specifying that "The secretary in cooperation with the state superintendent of public instruction shall review potentially hazardous conditions in schools which are in violation of good safety practice, especially in laboratories, industrial arts, vocational instruction, <u>sports, athletics and physical education</u> areas. They shall jointly prepare a guide for use by department personnel during routine school inspections in identifying violations of good safety practices. The guide should also include recommendations for safe facilities and safe practices."	16	13	2	1	16	4	5	7
23, 25	Oversee & Assure School Health & Safety Principles Are Applied	SAF25	Safety concerns with Athletics	Recommend that a requirement for proper sanitation and infection control be addressed in a specific subsection WAC 246-366. <i>Supporting specific recommendations and best management practices should be in guidance, such as the K-12 H&S guide, and the DOH/OSPI Infectious Disease Control Guide.</i>	16	12	4	0	16	6	8	2
22B	Oversee & Assure School Health & Safety Principles Are Applied	SAF26	First Aid and CPR Training	Recommend including in WAC 246-366 a requirement for first aid & CPR training, specific to children, on a regular basis, for science, C&T Ed, PE teachers, playground supervisors, coaches, bus drivers, and some percentage of school staff, particularly any that are alone with children. The training shall be presented by certified trainers from a recognized program, such as the American Red Cross or the Evergreen Safety Council, and not be an on-line training unless recognized by the Department of L&I.	16	16	0	0	—	—	—	—
22B	Oversee & Assure School Health & Safety Principles Are Applied	SAF27	First Aid and CPR Training	Recommend that teachers, coaches, and school staff receive basic training in recognizing and responding to medical conditions specific to children. An increased level of training is required for those responsible for addressing specific medical conditions of individual students.	16	10	4	2	16	7	6	3

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SRDC Proposal #	School Facility Health & Safety Principle	WG Proposal #	Topic	Workgroup Recommendations	Rule				Guidance			
					Voting	GRN	YEL	RED	Voting	GRN	YEL	RED
22C	Oversee & Assure School Health & Safety Principles Are Applied	SAF28	First Aid and CPR Training	Recommend that schools assess risks in school programs and design and implement training to address the risks.	16	1	5	10	16	10	6	0
6, 11	Design Schools Appropriately, Operate & Maintain Schools Effectively	SAF29	Integrated Pest Management	<p>Recommend Integrated Pest Management (IPM) be used. IPM is defined in state statute (RCW) and characterized as a flexible, planned approach to pest control which maximizes pest prevention and uses multiple methods (physical, mechanical, biological, and chemical) to control pests. The basic elements of a school IPM program would include Prevention, Pest monitoring, Use of least-hazardous methods, and Communication. Specific guidance would be in the K12 H&SG to address formulating IPM programs for schools.</p> <p>Remediation of pest-caused damage to the school facility is a component of building maintenance related to Integrated Pest Management.</p>	16	14	2	0	16	5	9	2
			Corrosion standards to safe guard against biofilm development	The workgroup recommended this topic be tabled and more discussion occur outside of the committee bringing together corrosion engineers, mechanical engineers, school O & M, and health districts.	—	—	—	—	—	—	—	—
			Lead sampling size and action level	Recommend for sampling at the point of use in schools, use Lead and Copper Rule for <u>public water systems</u> 15 ppb Lead and 1 liter sample size (applied to schools with water provided by public water systems).	10	0	3	7	10	0	3	7
			Lead sampling size and action level	Recommend for sampling at the point of use in schools. Use a 250 ml sample size, 15 ppb Lead threshold level.	10	1	3	6	10	0	5	5
		DW33	pH and alkalinity sampling	Recommend routine sampling not required. pH and alkalinity are under the control of the water system not schools.	7	4	3	0	7	3	4	0
		DW34	Tin sampling	Recommend routine sampling not required. Tin is not soluble.	7	6	1	0	—	—	—	—